

Title (en)

SOUND-TRANSMITTING STRUCTURE, SOUND-TRANSMITTING FILM, AND WATER-PROOF CASE

Title (de)

KLANGÜBERTRAGENDE STRUKTUR, KLANGÜBERTRAGENDER FILM UND WASSERDICHTES GEHÄUSE

Title (fr)

STRUCTURE TRANSMETTANT UN SON, FILM TRANSMETTANT UN SON ET BOÎTIER RÉSISTANT À L'EAU

Publication

EP 2938096 A4 20161116 (EN)

Application

EP 13857064 A 20131028

Priority

- JP 2012255236 A 20121121
- JP 2013111285 A 20130527
- JP 2013006351 W 20131028

Abstract (en)

[origin: EP2938096A1] The sound-transmitting structure (100) of the present invention includes a sound-transmitting membrane (1) that allows passage of sounds and prevents passage of foreign matters and a case (120) having a sound-transmitting opening (122). This sound-transmitting membrane (1) includes a supporting member (12) that is a nonwoven fabric containing an elastomer and a porous resin membrane (11) disposed on the supporting member (12) and containing polytetrafluoroethylene as a main component. The sound-transmitting membrane (1) covers the sound-transmitting opening (122) with the supporting member (12) welded to the case (120).

IPC 8 full level

H04R 1/00 (2006.01); **B32B 5/02** (2006.01); **B32B 5/22** (2006.01); **B32B 5/24** (2006.01); **B32B 27/12** (2006.01); **B32B 27/30** (2006.01); **B32B 27/32** (2006.01); **D04H 1/00** (2006.01); **H04R 1/02** (2006.01); **H04R 1/08** (2006.01)

CPC (source: EP US)

B32B 5/022 (2013.01 - EP US); **B32B 27/12** (2013.01 - EP US); **B32B 27/322** (2013.01 - EP US); **H04R 1/023** (2013.01 - EP US); **H04R 1/086** (2013.01 - EP US); **B32B 2305/026** (2013.01 - EP US); **B32B 2307/10** (2013.01 - EP US); **B32B 2307/4026** (2013.01 - EP US); **B32B 2307/412** (2013.01 - EP US); **B32B 2307/51** (2013.01 - EP US); **B32B 2307/724** (2013.01 - EP US); **B32B 2457/00** (2013.01 - EP US); **H04R 2499/11** (2013.01 - EP US)

Citation (search report)

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- [X] US 5828012 A 19981027 - REPOLLE DAMIAN I [US], et al
- [X] EP 2335505 A1 20110622 - JAPAN GORE TEX INC [JP]
- See references of WO 2014080574A1

Designated contracting state (EPC)

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